

CAS/STN FILE 'HCAPLUS' ENTERED AT 08:33:03 ON 17 DEC 2007

L1 1 SEA ABB=ON PLU=ON GB2392170/PN
 L2 SEL PLU=ON L1 1- RN : 2 TERMS
 L3 9675 SEA ABB=ON PLU=ON L2
 L4 1 SEA ABB=ON PLU=ON L1 AND L3

FILE 'STNGUIDE' ENTERED AT 08:33:17 ON 17 DEC 2007

FILE 'REGISTRY' ENTERED AT 08:33:56 ON 17 DEC 2007

L5 371 SEA ABB=ON PLU=ON AMMONIA ?/CN
 L6 1 SEA ABB=ON PLU=ON AMMONIA/CN
 L7 SEL PLU=ON L6 1- RN : 1 TERM
 L8 1297 SEA ABB=ON PLU=ON L7/CRN
 L9 1 SEA ABB=ON PLU=ON L7
 L10 371 SEA ABB=ON PLU=ON L5 OR L6 OR L9

FILE 'CAPLUS' ENTERED AT 08:35:21 ON 17 DEC 2007
 E MOLECULAR BEAM EPITAXY/CT

FILE 'STNGUIDE' ENTERED AT 08:35:51 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 08:38:55 ON 17 DEC 2007

E MOLECULAR BEAM EPITAXY/CT
 E E3+ALL/CT

L11 16831 SEA ABB=ON PLU=ON "MOLECULAR BEAM EPITAXY"/CT OR "MOLECULAR
 BEAM EPITAXY APPARATUS"/CT
 L12 56 SEA ABB=ON PLU=ON "MOLECULAR BEAMS"/CT(L)?EPITAX?
 L13 38000 SEA ABB=ON PLU=ON (MOL OR MOLEC OR MOLECUL#####) (4A) BEAM(4A)?EPITAX?
 L14 34155 SEA ABB=ON PLU=ON MBE
 L15 16 SEA ABB=ON PLU=ON M B E
 L16 627 SEA ABB=ON PLU=ON OMMBE OR MOMBE
 L17 45816 SEA ABB=ON PLU=ON ?MBE

FILE 'STNGUIDE' ENTERED AT 08:39:17 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 08:41:40 ON 17 DEC 2007

L18 721 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR
 L17) AND (L10 OR NH3 OR AMMONIA)

FILE 'STNGUIDE' ENTERED AT 08:41:41 ON 17 DEC 2007

FILE 'REGISTRY' ENTERED AT 08:42:22 ON 17 DEC 2007

L19 12627 SEA ABB=ON PLU=ON NITRIDE AND (AL OR IN OR GA)/ELS,MAC

FILE 'HCAPLUS' ENTERED AT 08:43:46 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 08:44:04 ON 17 DEC 2007

L20 545 SEA ABB=ON PLU=ON L18 AND (L19 OR GAN OR NITRIDE OR (GA OR
 AL) (2A) (NITRID##### OR NITROGEN##### OR "N"))

FILE 'STNGUIDE' ENTERED AT 08:44:07 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 08:45:56 ON 17 DEC 2007

L21 281025 SEA ABB=ON PLU=ON (DIFFER##### OR HIGHER OR LOWER OR ANOTHER OR VARIOUS OR
 SEVERAL OR PLURAL### OR MULTI OR MULTIPLE OR GREATER OR LESS####) (3A) (HEAT OR TEMPERATURES)
 L22 441710 SEA ABB=ON PLU=ON (DIFFER##### OR HIGHER OR LOWER OR ANOTHER OR VARIOUS OR
 SEVERAL OR PLURAL### OR MULTI OR MULTIPLE OR GREATER OR LESS####) (3A) (TEMPERATURE)
 L23 16 SEA ABB=ON PLU=ON L18 AND L21
 L24 32 SEA ABB=ON PLU=ON L18 AND L22
 L25 0 SEA ABB=ON PLU=ON L18 AND (HOTTER OR COLDER OR COOLER OR WARMER)

FILE 'STNGUIDE' ENTERED AT 08:47:56 ON 17 DEC 2007

L26 FILE 'HCAPLUS' ENTERED AT 08:48:41 ON 17 DEC 2007
72 SEA ABB=ON PLU=ON L18 AND (THERMAL### OR BAKE### OR BAKING
OR OVEN OR THERMAL####)

FILE 'STNGUIDE' ENTERED AT 08:48:41 ON 17 DEC 2007

L27 FILE 'HCAPLUS' ENTERED AT 08:48:52 ON 17 DEC 2007
64 SEA ABB=ON PLU=ON L18 AND TEMPERATURES

FILE 'STNGUIDE' ENTERED AT 08:48:52 ON 17 DEC 2007

L28 FILE 'HCAPLUS' ENTERED AT 08:49:03 ON 17 DEC 2007
72 SEA ABB=ON PLU=ON L18 AND PRECURSOR

FILE 'STNGUIDE' ENTERED AT 08:49:03 ON 17 DEC 2007

L29 FILE 'HCAPLUS' ENTERED AT 08:49:31 ON 17 DEC 2007
280 SEA ABB=ON PLU=ON L18 AND (REACT##### OR REAG##### OR
START##### OR FEED##### OR FED)

FILE 'STNGUIDE' ENTERED AT 08:49:32 ON 17 DEC 2007

L30 FILE 'HCAPLUS' ENTERED AT 08:51:07 ON 17 DEC 2007
1536 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR
L17) AND ("N" OR NITROGEN##### OR NITRID##### OR NH3 OR
AMMONIA) (4A) (SUBSTRATE OR WAFER#### OR DIE OR DICE OR CHIP OR MICROCHIP)

FILE 'STNGUIDE' ENTERED AT 08:51:08 ON 17 DEC 2007

L31 FILE 'HCAPLUS' ENTERED AT 08:51:18 ON 17 DEC 2007
73 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR
L17) AND ("N" OR NITROGEN##### OR NITRID##### OR NH3 OR
AMMONIA) (4A) EXPOS#####

FILE 'STNGUIDE' ENTERED AT 08:51:19 ON 17 DEC 2007

L32 FILE 'HCAPLUS' ENTERED AT 08:51:31 ON 17 DEC 2007
27 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR
L17) AND ("N" OR NITROGEN##### OR NITRID##### OR NH3 OR
AMMONIA) (4A) ONTO

FILE 'STNGUIDE' ENTERED AT 08:51:32 ON 17 DEC 2007

L33 FILE 'HCAPLUS' ENTERED AT 08:52:53 ON 17 DEC 2007
94 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17) AND ("N"
OR NITROGEN##### OR NITRID##### OR NH3 OR AMMONIA) (4A) SUPPL#####

FILE 'STNGUIDE' ENTERED AT 08:52:53 ON 17 DEC 2007

L34 FILE 'HCAPLUS' ENTERED AT 08:53:03 ON 17 DEC 2007
9 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17) AND ("N"
OR NITROGEN##### OR NITRID##### OR NH3 OR AMMONIA) (4A) MAINTAIN#####

FILE 'STNGUIDE' ENTERED AT 08:53:04 ON 17 DEC 2007

L35 FILE 'HCAPLUS' ENTERED AT 08:53:14 ON 17 DEC 2007
117 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17) AND ("N"
OR NITROGEN##### OR NITRID##### OR NH3 OR AMMONIA) (4A) DIRECT####

FILE 'STNGUIDE' ENTERED AT 08:53:14 ON 17 DEC 2007

L36 FILE 'HCAPLUS' ENTERED AT 08:53:47 ON 17 DEC 2007
 131 SEA ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR
 L17) AND ("N" OR NITROGEN##### OR NITRID##### OR NH3 OR
 AMMONIA) (4A) (ATMOSPHERE OR AMBIEN#### OR ENVIRONMENT)

FILE 'STNGUIDE' ENTERED AT 08:53:47 ON 17 DEC 2007

L37 FILE 'HCAPLUS' ENTERED AT 08:56:00 ON 17 DEC 2007
 1085 SEA ABB=ON PLU=ON L18 OR L20 OR L23 OR L24 OR (L26 OR L27 OR
 L28 OR L29) OR (L31 OR L32 OR L33 OR L34 OR L35 OR L36)

FILE 'STNGUIDE' ENTERED AT 08:56:00 ON 17 DEC 2007

L38 FILE 'HCAPLUS' ENTERED AT 08:56:14 ON 17 DEC 2007
 256 SEA ABB=ON PLU=ON L37 AND L30

FILE 'STNGUIDE' ENTERED AT 08:56:15 ON 17 DEC 2007

L39 FILE 'HCAPLUS' ENTERED AT 08:58:32 ON 17 DEC 2007
 2997 SEA ABB=ON PLU=ON L10(L) (SUBSTRATE OR WAFER#### OR DIE OR
 DICE OR CHIP OR MICROCHIP)

L40 61570 SEA ABB=ON PLU=ON L10(L) ("N" OR NITROGEN##### OR NITRID#####
 ## OR FEED#### OR FED OR PRECURSOR## OR SUPPL### OR REACT####
 OR REAG#####)

FILE 'STNGUIDE' ENTERED AT 08:58:34 ON 17 DEC 2007

FILE 'CAPLUS' ENTERED AT 08:58:49 ON 17 DEC 2007

FILE 'CAPLUS' ENTERED AT 08:58:56 ON 17 DEC 2007
 E REA/RL

FILE 'STNGUIDE' ENTERED AT 08:59:20 ON 17 DEC 2007

L41 FILE 'HCAPLUS' ENTERED AT 08:59:57 ON 17 DEC 2007
 37888 SEA ABB=ON PLU=ON L10(L) (REAGENT?/RL OR REACT?/RL)

FILE 'STNGUIDE' ENTERED AT 08:59:58 ON 17 DEC 2007

L42 FILE 'HCAPLUS' ENTERED AT 09:00:45 ON 17 DEC 2007
 48 SEA ABB=ON PLU=ON L38 AND L39

L43 90 SEA ABB=ON PLU=ON L38 AND L40

L44 63 SEA ABB=ON PLU=ON L38 AND L41

FILE 'STNGUIDE' ENTERED AT 09:00:46 ON 17 DEC 2007

L45 FILE 'HCAPLUS' ENTERED AT 09:01:15 ON 17 DEC 2007
 36 SEA ABB=ON PLU=ON L42 AND (L43 OR L44)

L46 55 SEA ABB=ON PLU=ON L43 AND L44

FILE 'STNGUIDE' ENTERED AT 09:01:16 ON 17 DEC 2007

L47 FILE 'HCAPLUS' ENTERED AT 09:01:29 ON 17 DEC 2007
 73 SEA ABB=ON PLU=ON L45 OR L46

FILE 'STNGUIDE' ENTERED AT 09:01:30 ON 17 DEC 2007

L48 FILE 'HCAPLUS' ENTERED AT 09:01:56 ON 17 DEC 2007
 40 SEA ABB=ON PLU=ON L47 AND 1980-2001/PRY,PY

FILE 'STNGUIDE' ENTERED AT 09:01:57 ON 17 DEC 2007

L49 FILE 'HCAPLUS' ENTERED AT 09:02:08 ON 17 DEC 2007
14 SEA ABB=ON PLU=ON L47 AND 2002/PRY,PY

FILE 'STNGUIDE' ENTERED AT 09:02:08 ON 17 DEC 2007

L50 FILE 'HCAPLUS' ENTERED AT 09:02:20 ON 17 DEC 2007
0 SEA ABB=ON PLU=ON L47 AND 1950-1979/PRY,PY

FILE 'STNGUIDE' ENTERED AT 09:02:22 ON 17 DEC 2007

L51 FILE 'HCAPLUS' ENTERED AT 09:02:53 ON 17 DEC 2007
51 SEA ABB=ON PLU=ON (L48 OR L49) NOT L1
L52 35 SEA ABB=ON PLU=ON L51 NOT P/DT
D BIB AB IT HITSTR 1-35

FILE 'STNGUIDE' ENTERED AT 09:03:53 ON 17 DEC 2007

L53 FILE 'HCAPLUS' ENTERED AT 09:07:49 ON 17 DEC 2007
221 SEA ABB=ON PLU=ON L38 NOT L52
L54 56 SEA ABB=ON PLU=ON L53 AND (GS OR GSMBE OR GAS SOURCE OR
CRACK##### OR DISSOC##### OR DECOMP#####)
L55 24 SEA ABB=ON PLU=ON L53 AND TEMPERATURES

FILE 'STNGUIDE' ENTERED AT 09:07:50 ON 17 DEC 2007

L56 FILE 'HCAPLUS' ENTERED AT 09:08:32 ON 17 DEC 2007
73 SEA ABB=ON PLU=ON (L54 OR L55)
L57 0 SEA ABB=ON PLU=ON L56 AND 1950-1980/PY,PRY

FILE 'STNGUIDE' ENTERED AT 09:08:34 ON 17 DEC 2007

L58 FILE 'HCAPLUS' ENTERED AT 09:09:08 ON 17 DEC 2007
51 SEA ABB=ON PLU=ON L56 AND 1981-2002/PY,PRY

FILE 'STNGUIDE' ENTERED AT 09:09:09 ON 17 DEC 2007

L59 FILE 'HCAPLUS' ENTERED AT 09:09:37 ON 17 DEC 2007
51 SEA ABB=ON PLU=ON L58 NOT (L1 OR L52)

FILE 'STNGUIDE' ENTERED AT 09:09:38 ON 17 DEC 2007

L60 FILE 'HCAPLUS' ENTERED AT 09:10:56 ON 17 DEC 2007
15 SEA ABB=ON PLU=ON L59 AND (AMMONIA OR NH3) (3A) SUBSTRATE
L61 15 SEA ABB=ON PLU=ON L59 AND TEMPERATURES
L62 23 SEA ABB=ON PLU=ON L60 OR L61

FILE 'STNGUIDE' ENTERED AT 09:11:19 ON 17 DEC 2007

L63 FILE 'HCAPLUS' ENTERED AT 11:02:02 ON 17 DEC 2007
1 SEA ABB=ON PLU=ON US5602418/PN
L64 1 SEA ABB=ON PLU=ON EP1061564/PN
L65 1 SEA ABB=ON PLU=ON CANDELA CLASS HIGH BRIGHTNESS/TI

FILE 'STNGUIDE' ENTERED AT 11:02:03 ON 17 DEC 2007

L66 FILE 'HCAPLUS' ENTERED AT 11:03:12 ON 17 DEC 2007
1 SEA ABB=ON PLU=ON SUPERBRIGHT/TI AND SINGLE QUANTUM WELL STRUCTURE/TI

FILE 'STNGUIDE' ENTERED AT 11:03:12 ON 17 DEC 2007

L67 FILE 'HCAPLUS' ENTERED AT 11:04:59 ON 17 DEC 2007
4 SEA ABB=ON PLU=ON (L63 OR L64 OR L65 OR L66) AND (L5 OR L6
OR L8 OR L10 OR L19 OR NH3 OR AMMONIA)
L68 4 SEA ABB=ON PLU=ON (L63 OR L64 OR L65 OR L66)
L69 4 SEA ABB=ON PLU=ON (L67 OR L68)

17dec07 14:23:11 User259284 Session D4154.2

Dialog File 2:INSPEC 1898-2007/Nov W4
 (c) Institution of Electrical Engineers

Set	Items	Description
S1	6	CI='ALGAN-INGAN-ALGAN INT':CI='ALGAN-INGAN-ALGAN-GAN INT'
S2	43041	MBE OR PAMBE OR GSMBE OR BEAM(4N)(EPITAX???????? OR HOMOEPITAX???????? OR HETEROEPITAX?) OR MOLECULAR BEAM EPITAX?
S3	5034	DOUBLE()HETERO?
S4	646	S2 AND S3
S5	305	(CI=IN OR INDIUM) AND S4
S6	302	(CI=AL OR AL OR ALUMINUM OR ALUMINIUM) AND S4
S7	16	S4 AND (INGAN OR GAINN)
S8	16	S4 AND (ALGAN OR GAALN)
S9	115	(S5 OR S7) AND (S6 OR S8)
S10	6	S9 AND (NITRID???????? OR CI=GAN OR CI=ALGAN OR CI=INGAN OR (GALLIUM OR GA) (2N) ("N" OR NITRID???????? OR NITROGEN????????))
S11	0	S10 AND S1
S12	2	S10/2003-2008
S13	4	S10 NOT S12
S14	187	ALGAN(W)INGAN(W)ALGAN
S15	5	S2 AND S14
S16	100	ALGAN(W)INGAN
S17	187	INGAN(W)ALGAN
S18	160	ALGAN(2W)ALGAN
S19	160	ALGAN(2N)ALGAN
S20	12	S16 AND S17 AND S18:S19
S21	0	S2 AND S20
S22	7	S3 AND S20

17dec07 14:37:40 User259284 Session D4154.3

DIALOG SYSTEM:OS - DIALOG OneSearch

File 23:CSA Technology Research Database 1963-2007/Nov
 File 350:Derwent WPIX 1963-2007/UD=200780
 File 347:JAPIO Dec 1976-2007/Jun(Updated 070926)
 File 2:INSPEC 1898-2007/Nov W4
 File 6:NTIS 1964-2007/Dec W4
 File 8:Ei Compendex(R) 1884-2007/Dec W1
 File 14:Mechanical and Transport Engineer Abstract 1966-2007/Oct
 File 25:Weldasearch 1966-2007/Nov
 File 31:World Surface Coatings Abs 1976-2007/Dec
 File 33:Aluminium Industry Abstracts 1966-2007/Oct
 File 35:Dissertation Abs Online 1861-2007/Aug
 File 36:MetalBase 1965-20071217
 File 46:Corrosion Abstracts 1966-2007/Nov
 File 56:Computer and Information Systems Abstracts 1966-2007/Oct
 File 57:Electronics & Communications Abstracts 1966-2007/Sep
 File 60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Nov
 File 61:Civil Engineering Abstracts. 1966-2007/Nov
 File 63:Transport Res(TRIS) 1970-2007/Oct
 File 64:Environmental Engineering Abstracts 1966-2007/Nov
 File 65:Inside Conferences 1993-2007/Dec 17
 File 68:Solid State & Superconductivity Abstracts 1966-2007/Oct
 File 81:MIRA - Motor Industry Research 2001-2007/Jul
 File 95:TEME-Technology & Management 1989-2007/Dec W2
 File 96:FLUIDEX 1972-2007/Oct
 File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Oct
 File 103:Energy SciTec 1974-2007/Nov B1
 File 118:ICONDA-Intl Construction 1976-2007/Dec
 File 134:Earthquake Engineering Abstracts 1966-2007/Nov
 File 144:Pascal 1973-2007/Dec W2
 File 239:Mathsci 1940-2007/Dec
 File 240:PAPERCHEM 1967-2007/Dec W2
 File 248:PIRA 1975-2007/Nov W2
 File 293:Engineered Materials Abstracts 1966-2007/Oct
 File 315:ChemEng & Biotec Abs 1970-2007/Nov
 File 323:RAPRA Rubber & Plastics 1972-2007/Nov
 File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2007/Oct

Set	Items	Description
S1	724	ALGAN(2N)ALGAN
S2	698	INGAN(W)ALGAN
S3	448	ALGAN(W)INGAN
S4	41	S1 AND S2 AND S3
S5	25	S4 AND DOUBLE()HETEROS?????????
S6	0	S4 AND MBE
S7	0	S4 AND GSMBE
S8	0	S4 AND MOLECULAR()BEAM?
S9	1897	INGAN(2N)ALGAN
S10	232	S9 AND DOUBLE()HETEROS?????????
S11	2	S10 AND MBE
S12	0	S10 AND GSMBE
S13	3	S10 AND (MOL OR MOLECUL?????) (3N) (BEAM OR BEAMS)
S14	3	S10 AND (HOMOEPITAX? OR HETEROEPITAX? OR EPITAX?????????) (3N) (BEAM OR BEAMS)
S15	28	S5 OR S11 OR S13 OR S14
S16	44	S4 OR S15
S17	22	RD S16 (unique items)

CAS/STN FILE 'HCAPLUS' ENTERED AT 13:42:13 ON 17 DEC 2007

L1 16831 SEA ABB=ON PLU=ON "MOLECULAR BEAM EPITAXY"/CT OR "MOLECULAR
BEAM EPITAXY APPARATUS"/CT
L2 56 SEA ABB=ON PLU=ON MOLECULAR BEAMS/CT(L)?EPITAX?
L3 38000 SEA ABB=ON PLU=ON (MOL OR MOLEC OR MOLECUL#####) (4A) BEAM(4A)
?EPITAX?
L4 34155 SEA ABB=ON PLU=ON MBE
L5 16 SEA ABB=ON PLU=ON M B E
L6 627 SEA ABB=ON PLU=ON OMMBE OR MOMBE
L7 45816 SEA ABB=ON PLU=ON ?MBE

FILE 'STNGUIDE' ENTERED AT 13:42:20 ON 17 DEC 2007

FILE 'REGISTRY' ENTERED AT 13:43:57 ON 17 DEC 2007

L8 188 SEA ABB=ON PLU=ON IN/MF
L9 52 SEA ABB=ON PLU=ON AL/MF
L10 70 SEA ABB=ON PLU=ON GA.N/MF OR GA N/MF
L11 2458 SEA ABB=ON PLU=ON GALLIUM NITRIDE OR GA/ELS,MAC AND NITRIDE
L12 960 SEA ABB=ON PLU=ON L11 AND AL/ELS,MAC
L13 1227 SEA ABB=ON PLU=ON L11 AND IN/ELS,MAC

FILE 'HCAPLUS' ENTERED AT 13:44:53 ON 17 DEC 2007

L14 6262 SEA ABB=ON PLU=ON L12 AND L13
L15 291 SEA ABB=ON PLU=ON L10 AND L8 AND L9
L16 6500 SEA ABB=ON PLU=ON ALGAN OR GAALN

FILE 'STNGUIDE' ENTERED AT 13:45:45 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:46:41 ON 17 DEC 2007

L17 16903 SEA ABB=ON PLU=ON (AL OR ALUMINUM OR ALUMINIUM) (3A) (GA OR
GALLIUM) (3A) ("N" OR NITRID##### OR NITRA##### OR
NITROGEN#####)

FILE 'STNGUIDE' ENTERED AT 13:46:58 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:47:31 ON 17 DEC 2007

L18 5588 SEA ABB=ON PLU=ON INGAN OR GAINN
L19 14073 SEA ABB=ON PLU=ON (INDIUM) (3A) (GA OR GALLIUM) (3A) ("N" OR
NITRID##### OR NITRA##### OR NITROGEN#####)
L20 48 SEA ABB=ON PLU=ON "IN" (3A) GA
L21 3 SEA ABB=ON PLU=ON "IN" (3A) (GAN OR GALLIUM)
L22 17624 SEA ABB=ON PLU=ON L12 OR L16 OR L17 OR ((L10 OR L11) AND L9(L) MOA/RL)

FILE 'STNGUIDE' ENTERED AT 13:50:04 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:52:22 ON 17 DEC 2007

L23 14697 SEA ABB=ON PLU=ON L13 OR L18 OR L19 OR L20 OR L21 OR ((L10
OR L11) AND L8(L) MOA/RL)

FILE 'STNGUIDE' ENTERED AT 13:52:23 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:52:43 ON 17 DEC 2007

L24 7111 SEA ABB=ON PLU=ON L22 AND L23
L25 346 SEA ABB=ON PLU=ON L24 AND (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7)

FILE 'STNGUIDE' ENTERED AT 13:53:36 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:55:05 ON 17 DEC 2007

L26 53107 SEA ABB=ON PLU=ON (AL OR ALUMINUM OR ALUMINIUM OR ALGAN OR
GAALN) (5A) (TWO OR SECOND OR TOP OR BOTTOM OR SANDWICH#### OR
FIRST OR 1ST OR MULTIL? OR MULTIPLE OR LAYERS)

CAS/STN FILE 'STNGUIDE' ENTERED AT 13:55:06 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:55:35 ON 17 DEC 2007

L27 111793 SEA ABB=ON PLU=ON (AL OR ALUMINUM OR ALUMINIUM OR ALGAN OR
GAALN) (5A) (2 OR 2ND OR DOUBLE)

FILE 'STNGUIDE' ENTERED AT 13:55:36 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:57:12 ON 17 DEC 2007

L28 3025 SEA ABB=ON PLU=ON (INDIUM OR INGAN OR GAINN OR INDIUM) (5A) (MI
DDLE OR CENTER#### OR CENTR#### OR BETWEEN OR INBETWEEN OR
INTERPOS##### OR INTERMEDIA#### OR SANDWICHED)

FILE 'STNGUIDE' ENTERED AT 13:57:13 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:58:08 ON 17 DEC 2007

L29 914 SEA ABB=ON PLU=ON (INDIUM OR INGAN OR GAINN OR INDIUM) (5A) (OV
ER OR ABOVE OR "NEXT" OR ATOP OR ONTO)

FILE 'STNGUIDE' ENTERED AT 13:58:09 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 13:58:49 ON 17 DEC 2007

L30 47 SEA ABB=ON PLU=ON L25 AND (L26 OR L27)
L31 10 SEA ABB=ON PLU=ON L25 AND (L28 OR L29)
L32 3 SEA ABB=ON PLU=ON L30 AND L31
L33 2 SEA ABB=ON PLU=ON L32 AND 1960-2002/PY
D BIB AB IT HITSTR TOT

FILE 'STNGUIDE' ENTERED AT 13:59:30 ON 17 DEC 2007

FILE 'REGISTRY' ENTERED AT 14:01:27 ON 17 DEC 2007

L34 2458 SEA ABB=ON PLU=ON GALLIUM NITRIDE OR (GA/ELS,MAC AND
NITRIDE)

FILE 'HCAPLUS' ENTERED AT 14:03:11 ON 17 DEC 2007

L35 65646 SEA ABB=ON PLU=ON (L8 OR L13 OR INDIUM OR INGAN OR GAINN)
AND (L9 OR L12 OR AL OR ALUMINUM OR ALUMINIUM OR ALGAN OR
GAALN)
L36 4786 SEA ABB=ON PLU=ON L35 AND (L1 OR L2 OR L3 OR L4 OR L5 OR L6
OR L7)
L37 3938 SEA ABB=ON PLU=ON L35 AND (MOL OR MOLEC#####) (5A) BEAM
L38 4837 SEA ABB=ON PLU=ON (L36 OR L37)
L39 805 SEA ABB=ON PLU=ON L38 AND MULTI#####
L40 164 SEA ABB=ON PLU=ON L38 AND STACK#####
L41 42 SEA ABB=ON PLU=ON L38 AND SANDWICH#####
L42 1261 SEA ABB=ON PLU=ON L38 AND ?LATTIC?
L43 40 SEA ABB=ON PLU=ON L38 AND INTERL?
L44 10 SEA ABB=ON PLU=ON L38 AND INTERPOS?
L45 2324 SEA ABB=ON PLU=ON L38 AND STRUCTURE
L46 1592 SEA ABB=ON PLU=ON L38 AND QUANTUM WELL
L47 292 SEA ABB=ON PLU=ON L38 AND QW
L48 267 SEA ABB=ON PLU=ON L38 AND MQW
L49 2001 SEA ABB=ON PLU=ON (L39 OR L40 OR L41 OR L42 OR L43 OR L44)
L50 797 SEA ABB=ON PLU=ON (L46 OR L47 OR L48) AND L49
L51 602 SEA ABB=ON PLU=ON L50 AND INDIUM/TI,ST,CT
L52 501 SEA ABB=ON PLU=ON L50 AND (AL OR ALUMINIUM OR ALUMINUM)/TI,ST
,CT
L53 470 SEA ABB=ON PLU=ON L51 AND L52
L54 9026 SEA ABB=ON PLU=ON (TWO OR SECOND) (3A) (AL OR ALUMINUM OR
ALUMINIUM OR ALGAN OR GAALN)

CAS/STN FILE 'HCAPLUS' ENTERED AT 14:03:11 ON 17 DEC 2007

```

L55      312 SEA ABB=ON  PLU=ON  (INTERP##### OR INTERL? OR INTER LAYER####
          ###) (3A) (INDIUM OR INGAN OR GAINN)
L56      300 SEA ABB=ON  PLU=ON  (INTERMEDIATE) (3A) (INDIUM OR INGAN OR
          GAINN)
L57      18 SEA ABB=ON  PLU=ON  (MIDDLE) (3A) (INDIUM OR INGAN OR GAINN)
L58      1933 SEA ABB=ON  PLU=ON  (CENTR##### OR CENTER##### OR BETWEEN OR
          INBETWEEN) (3A) (INDIUM OR INGAN OR GAINN)
L59      1 SEA ABB=ON  PLU=ON  L53 AND L54
L60      1 SEA ABB=ON  PLU=ON  L53 AND (L55 OR L56 OR L57 OR L58)
L61      3 SEA ABB=ON  PLU=ON  L50 AND L54
L62      1 SEA ABB=ON  PLU=ON  L50 AND (L55 OR L56 OR L57 OR L58)
L63      4 SEA ABB=ON  PLU=ON  (L59 OR L60 OR L61 OR L62)
L64      4 SEA ABB=ON  PLU=ON  L63 NOT L33
L65      3 SEA ABB=ON  PLU=ON  L64 AND 1970-2002/PY, PRY
L66      2 SEA ABB=ON  PLU=ON  L33 AND 1960-2002/PY, PRY
L67      3 SEA ABB=ON  PLU=ON  L64 AND 1960-2002/PY, PRY
L68      3 SEA ABB=ON  PLU=ON  L67 NOT L33
          D BIB AB IT HITSTR TOT

```

FILE 'STNGUIDE' ENTERED AT 14:11:29 ON 17 DEC 2007

FILE 'HCAPLUS' ENTERED AT 14:13:21 ON 17 DEC 2007

```

L69      793 SEA ABB=ON  PLU=ON  L50 NOT (L33 OR L68)
L70      59 SEA ABB=ON  PLU=ON  L12 AND L13 AND L69
L71      58 SEA ABB=ON  PLU=ON  L70 AND (L1 OR L2 OR L3 OR L4 OR L5 OR L6
          OR L7)
L72      50 SEA ABB=ON  PLU=ON  L70 AND (MOL OR MOLEC#####) (5A) BEAM
L73      59 SEA ABB=ON  PLU=ON  L71 OR L72
L74      23 SEA ABB=ON  PLU=ON  L73 AND ?LAYERS
L75      1 SEA ABB=ON  PLU=ON  L73 AND ?LAYERED
L76      0 SEA ABB=ON  PLU=ON  L73 AND ?LAYERING
L77      3 SEA ABB=ON  PLU=ON  L73 AND ?STACK?
L78      0 SEA ABB=ON  PLU=ON  L73 AND ?SANDWICH?
L79      2 SEA ABB=ON  PLU=ON  L73 AND ?LAMINA?
L80      0 SEA ABB=ON  PLU=ON  L73 AND SUBLAYER?
L81      0 SEA ABB=ON  PLU=ON  L73 AND SUB LAYER?
L82      1 SEA ABB=ON  PLU=ON  L73 AND INTERL?
L83      0 SEA ABB=ON  PLU=ON  L73 AND INTER LAYER#####
L84      0 SEA ABB=ON  PLU=ON  L73 AND INTERMEDIATE (3A) LAYER#####
L85      2 SEA ABB=ON  PLU=ON  L73 AND INTERPOS?
L86      20 SEA ABB=ON  PLU=ON  L73 AND ?LATTIC?
L87      21 SEA ABB=ON  PLU=ON  L73 AND QUANTUM WELLS
L88      1 SEA ABB=ON  PLU=ON  L73 AND QWS
L89      16 SEA ABB=ON  PLU=ON  L73 AND MQWS
L90      3 SEA ABB=ON  PLU=ON  L73 AND QW
L91      22 SEA ABB=ON  PLU=ON  L73 AND MQW
L92      56 SEA ABB=ON  PLU=ON  L73 AND QUANTUM WELL
L93      11 SEA ABB=ON  PLU=ON  L73 AND QUANTUM (3A) STRUCTURE
L94      59 SEA ABB=ON  PLU=ON  (L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR
          L80 OR L81 OR L82 OR L83 OR L84 OR L85 OR L86 OR L87 OR L88 OR
          L89 OR L90 OR L91 OR L92 OR L93)
L95      6 SEA ABB=ON  PLU=ON  L94 AND (TWO OR SECOND)
L96      0 SEA ABB=ON  PLU=ON  L94 AND (THREE OR THIRD)
          D L95 BIB AB IT HITSTR TOT

```

FILE 'STNGUIDE' ENTERED AT 14:18:21 ON 17 DEC 2007

CAS/STN FILE 'HCAPLUS' ENTERED AT 14:20:35 ON 17 DEC 2007

L97	53	SEA	ABB=ON	PLU=ON	L94 NOT L95
L98	6	SEA	ABB=ON	PLU=ON	L97 AND HETEROSTRUCT?
L99	0	SEA	ABB=ON	PLU=ON	L97 AND HETERO STRUCT?
L100	1	SEA	ABB=ON	PLU=ON	L97 AND ALTERNATING
L101	0	SEA	ABB=ON	PLU=ON	L97 AND ALTERNATED
L102	0	SEA	ABB=ON	PLU=ON	L97 AND ALTERNATE
L103	7	SEA	ABB=ON	PLU=ON	(L98 OR L99 OR L100 OR L101 OR L102)
		D	BIB	AB	IT HITSTR TOT